Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	07/03/2017 01:28 PM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/21/2017 12:22 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124663	-1	1.51	124459	1.49
Blue	F	SSC	125000	123066	-2	3.45	123279	3.23
Blue	E	FITC	23355	22580	-4	2.48	1010	10.44
Blue	D	PE	28848	28303	-2	2.04	1020	9.95
Blue	B	PerCP-Cy5-5	47791	46897	-2	3.40	1348	16.80
Blue	A	PE-Cy7	41358	40604	-2	5.18	626	34.88
Red	C	APC	51316	50878	-1	2.65	2932	9.16
Red	A	APC-Cy7	53225	52685	-2	2.69	1087	10.86
Violet	B	V450	14473	13890	-5	3.41	668	8.64
Violet	A	V500	59973	58659	-3	3.14	2604	6.17

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19653	3.64	608	10	N/A	N/A	Pass
Blue	F	SSC	61150	1.78	541	7	N/A	N/A	Pass
Blue	E	FITC	113	37.93	542	-2	0.0195	69	Pass
Blue	D	PE	223	28.78	539	1	0.1501	208	Pass
Blue	B	PerCP-Cy5-5	209	44.76	629	-1	0.0102	92	Pass
Blue	A	PE-Cy7	68	116.90	681	0	0.0124	15	Pass
Red	C	APC	348	26.51	587	-7	0.0217	66	Pass
Red	A	APC-Cy7	118	40.30	567	-9	0.0061	1941	Pass
Violet	B	V450	81	40.15	465	-6	0.0455	1617	Pass
Violet	A	V500	188	21.27	496	-5	0.0135	0	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.17	-31.59	0.85
Blue	20.34	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.32
Red	19.20	13.27 - 19.91	N/A	N/A	31.40	31.95	1.15

Window Extension: 7.00
FSC Area Scaling Factor: 0.87

Threshold

Threshold (FSC): 9784

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments